

Program Plans for the CALFED Conveyance Program Element

Briefing of the California BDPAC
Water Supply Subcommittee

April 30, 2003

Expenditures and Budget

Conveyance Program Element Stage 1

Tasks/Projects	(\$ in millions)							Stage 1 Total	Framework Agreement	Total (Best Est.)	Cost Sharing (%)		
	Program Year(s)										Fed	State	Local
	Stage 1 (Yrs 1-7)												
	1	2	3	4	5	6	7						
8,500 cfs - Permanent Operable Barriers	\$3.5	\$5.2	\$12.0	\$12.0	\$2.4	\$28.0	\$40.2	\$103.3	\$80.0	\$120.7	33.3% ⁵	33.3% ⁵	33.3% ⁵
Clifton Court Fish Screens - 10,300 cfs	\$2.0	\$1.7	\$1.1	\$1.2	\$1.1	\$1.1	\$5.3	\$13.5	\$349.0	\$1,200.0		75.0%	25.0%
Tracy Fish Test Facility 1	\$6.6	\$26.3	\$12.3	\$32.0	\$28.4	\$1.0	-	\$106.6	\$109.5	\$106.6	37.5%	25%	37.5%
Lower San Joaquin Flood Improvements	\$0.0	\$0.1	\$0.1	\$0.1	\$4.5	\$4.4	\$4.4	\$13.6	\$0.0	\$293.0	50% ⁴	50% ⁴	0%
Old River & Rock Slough W. Q. Improv. Projects 2	\$0.0	\$0.2	\$1.1	\$1.9	\$5.9	\$4.7	\$0.0	\$13.7	\$17.0	\$13.7	pending project evaluation		
Delta Cross Channel Re-op	\$0.5	\$2.0	\$1.2	\$1.1	\$1.8	-	-	\$6.6	\$7.0	\$6.6	33.3%	33.3%	33.3%
Through Delta Facility - Planning 3	\$0.3	\$2.4	\$6.1	\$4.4	\$7.0	\$6.0	\$5.0	\$31.2	\$8.0	\$400.0	50%	50%	
N. Delta Flood Control & Eco. Restor. Improv. Prg.	-	\$0.6	\$1.3	\$1.4	\$15.6	\$80.1	\$72.4	\$171.5	\$175.0	\$171.5	65%	25%	10%
Delta Mendota Canal / California Aqueduct Intertie	-	\$0.2	\$0.9	\$1.4	\$9.1	\$0.1	\$0.1	\$11.8	\$11.0	\$11.8	100%		
Clifton Court Forebay/Tracy P.P. Intertie	-	-	-	-	-	\$1.0	\$1.0	\$2.0	\$7.0	-			100%
Temporary Barriers	\$3.7	\$3.8	\$4.7	\$6.6	\$6.6	\$6.6	\$6.6	\$38.6	\$0.0	\$38.6			100%
San Luis Reservoir LPIP - Planning 3	\$0.0	\$1.3	\$4.7	\$11.0	\$12.0	\$4.9		\$33.9	\$174.8	\$174.8	50.0%	50.0%	
San Luis Reservoir LPIP - Design & Constr.	-	-	-	-	\$10.0	\$66.9	\$64.0	\$140.9			pending project evaluation		
Oversight, Coordination, & Science	-	-	\$0.7	\$0.7	\$0.7	\$0.7	\$0.7	\$3.5	\$0.0		50%	50%	
Total	\$17	\$44	\$46	\$74	\$105	\$206	\$200	\$691	\$938	\$2,537			

South Delta Actions

	Schedule ROD Date/Expected	Budget	Comments
500 cfs Operations – Permanent Operable Barriers (POB)	Mid 2003(Permit)/ Sept 2004(Permit), 2008 (C.C. POB)	\$120.7 million	Preferred alternative & ASIP; Fed funding needed by Year 7
Clifton Court Fish Screens – 10,300 cfs Operations	Mid 2006 (C.C.) / under reevaluation	Dependent on reevaluation	SD Fish Facility Forum to consider technical & economic issues
Tracy Fish Test Facility	Mid 2006 (C.C.) / under reevaluation	Dependent on reevaluation	SD Fish Facility Forum to consider technical & economic issues
Lower San Joaquin Flood Improvements	Mid 2005 (B.C.) / 2013 (C.C.)	\$293 million	Funding needs to be secured
Old River & Rock Slough Water Quality Improvement Projects	Prior to POB / Dec 2006 (C.C.)	\$13.7 million	Must be complete prior to POB; cost – sharing yet to be identified

North Delta Actions

	Schedule ROD Date/Expected	Budget	Comments
Delta Cross Channel Cooperation	2003 / Fall 2004 (Recommend'ns)	\$6.6 million	Funds for studies needed.
Through-Delta Facility	2003/ Fall 2004 (Recommend'ns)	\$400 million	Funds for studies needed.
North Delta Flood Control and Ecosystem Improvement Program	2003 (C.E.), 2005 (A) / 2004 (C.E.), 2005 (A.)	\$171.5 million	Contracts to address science uncertainties lack of resources.

C.E. - Complete environmental documents

A. - Seek authority to construct

Central Valley Project/State Water Project Intertie Actions

	Schedule ROD Date/Expected	Budget	Comments
Delta Mendota Canal/California Aqueduct Intertie	2004 (A.) / 2004 (A.), Apr 2005 (C.C.)	\$11.8 million	Federal funding yet to be secured
Clifton Court Forebay/ Tracy Pumping Plant Intake Intertie	Uncertain	Uncertain	Evaluation to begin in Year 6

A. - Seek authority to construct
C.C. - Complete construction

Other Actions

	Schedule ROD Date/Expected	Budget	Comments
Temporary Barriers	Annually until POB	\$38.6 million	Will cease upon operation of POBs
San Luis Reservoir Low Point Improvement Project	2004 (B.C.) / 2006 (B.C.)	\$174.8 million	Range of alternatives funding being sought to complete planning

B.C. - Begin construction

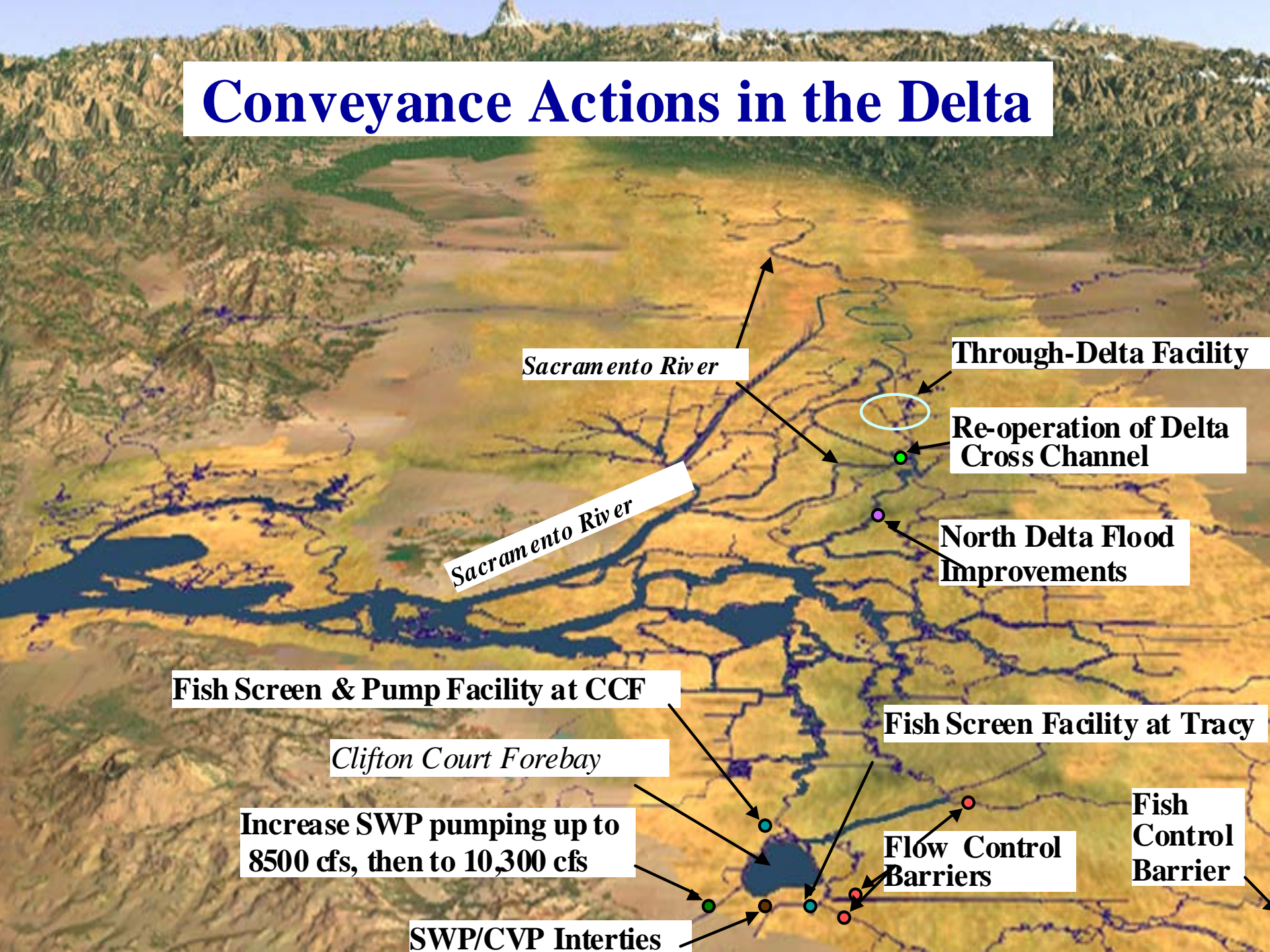
Supplemental Information

Conveyance Program Element Actions/Tasks and Lead Agencies

Action / Task	Lead Agency		
	CALFED	DWR	USBR
8500 cfs Operations - Permanent Operable Barriers		✓	
Clifton Court Fish Screens - 10,300 cfs Operations		✓	
Tracy Fish Test Facility			✓
Lower San Joaquin Floodway Improvements		✓	
Old River & Rock Slough Water Quality Improvement Projects (formerly Veale/Byron D R)		✓	
Delta Cross Channel Reoperation			✓
Through-Delta Facility		✓	
North Delta Flood Control & Eco. Improv. Program		✓	
Delta Mendota Canal/California Aqueduct Intertie (formerly CVP/SWP Aqueduct Intertie)			✓
Clifton Court Forebay/Tracy PP Intertie		✓	
Temporary Barriers		✓	
San Luis Reservoir Low Point Improvement Project ¹			✓
Oversight and Coordination	✓	✓	

¹ Planning study being conducted by Santa Clara Valley Water District in coordination with USBR and DWR.

Conveyance Actions in the Delta



Sacramento River

Through-Delta Facility

Re-operation of Delta Cross Channel

North Delta Flood Improvements

Sacramento River

Fish Screen & Pump Facility at CCF

Fish Screen Facility at Tracy

Clifton Court Forebay

Increase SWP pumping up to 8500 cfs, then to 10,300 cfs

Flow Control Barriers

Fish Control Barrier

SWP/CVP Interties

8500 cfs Operations - Permanent Barriers

- Status: DWR continues with EIR/EIS (although delayed about one year)
- Year 4: \$12.0 million (SWP funds); Total Project Estimate: \$120.7 million (tentative cost-sharing: 33% Federal / 33% State / 33% Other)
- ASIP and preferred alternative yet to be determined; need Federal funding in Year 7 & 8

Clifton Court Fish Screens - 10,300 cfs Operations

- Status: South Delta Fish Facility Forum is reevaluating fish facility strategy
- Year 4: \$1.2 million (SWP funds); Total Project Estimate: \$1,200 million (Cost-sharing: 75% State / 25% Other)
- Will provide available support to SDFF Forum

Tracy Fish Test Facility

- Status: South Delta Fish Facility Forum is reevaluating fish facility strategy
- Year 4: Uncertain; Total Project Estimate: \$106.6 million (cost-sharing: 75% Federal / 25% State)
- Availability of Federal funds uncertain

Lower San Joaquin Flood Improvements

- Status: Progress has been slowed by lack of resources
- Year 4: \$0.1 million (State: GF); Total Project Estimate: \$293 million
- Cost-sharing: yet to be determined

Old River & Rock Slough Water Quality Improvement Projects

- Status: Slow initial start; Contra Costa Water District progressing with studies
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- Year 4: \$0.8 million (State: \$0.5 Prop 13, \$0.3 SWP funds); additional \$1.0 million needed; Total Project Estimate: \$13.6 million Framework Agreement Est.: \$17.5 million
- Additional funds needed for Year 4; cost-sharing: yet to be determined

Delta Cross Channel Re-operation

- Status: Studies progressing on-schedule
- Year 4; \$1.1 million (State: \$0.03 GF, \$0.8 Prop 13, \$0.2 SWP funds); Total Project Estimate: \$6.6 million (cost-sharing: 33.3% Federal / 33.3% State/ 33.3% Other)
- Funds for studies are needed; availability of Federal funds uncertain

Through-Delta Facility: Planning

- Status: Studies progressing on-schedule
- Year 4: \$4.4 million (State: \$.36 GF, \$3.1 Prop 13, \$0.92 SWP funds); Total Project Estimate: \$31.2 million (cost-sharing: 50% Federal / 50% State)
- Funds for studies are needed; availability of Federal funds uncertain

North Delta Flood Control and Ecosystem Improvements Program

- Status: Slow initial start; DWR/USACE are targeting to meet mid-2005 (seek funding, authority to construct)
- Year 4: \$1.4 million (State: GF); Total Project Estimate: \$171.5 million (cost-sharing: 65% Federal / 25% State / 10% Other)
- Contracts to determine science uncertainties are critical

Delta Mendota Canal / California Aqueduct Intertie

- Status: USBR is progressing with environmental studies
- Year 4: \$0 (awaiting Federal funding); Total Project Estimate: \$11.8 million (cost-sharing yet to be identified)
- Federal funding for project is uncertain

Temporary Barriers Project

- Status: TBP will continue through Year 7
- Year 4: \$6.6 million (SWP funds); Total Project Estimate: \$38.6 million
- Expect permanent barriers to be operable in Year 8

San Luis Reservoir Low Point Improvement Project: Planning

- Status: Santa Clara Valley Water District continues with evaluation of range of alternatives and environmental studies
- Year 4: \$11.0 million (State: \$5.0 Prop 13, \$6.0 yet to be identified); Total Project Estimate: \$174.8 million (\$33.9 Planning, cost-sharing: 50% Federal /50% State)
- Additional funds needed to complete planning activities

Oversight, Coordination, and Science

- Status: Activities involve overall management and support of projects
- Year 4: \$0.7 million (State: \$0.5 Prop 50, \$0.09 GP & \$0.08 SWP); Total Estimate: %\$3.5 million (cost-sharing: 50% Federal/ 50% State assumed)
- Availability of Federal funds uncertain